Title (en)

Replacements for ligaments and tendons.

Title (de)

Ersatz für Bänder oder Sehnen.

Title (fr)

Remplacements pour ligaments ou tendons.

Publication

EP 0145492 A2 19850619 (EN)

Application

EP 84308678 A 19841213

Priority

- GB 8333432 A 19831215
- GB 8405213 A 19840229

Abstract (en)

A surgical element for use as a replacement or augmentation for a damaged ligament or tendon comprises a multiplicity of flexible filaments (e.g., carbon fibres) held together in substantially parallel array, characterised in that these filaments for a core (11) with braided sheathing (12) over at least one portion. The sheathing filaments may have a more open weave over an intermediate portion of the core, or not braided over a <<window>> (16), or omitted completely from an intermediate portion, for encouraging penetration and ingrowth of healing tissue between the core filaments. Tails (13) are formed into eyes (18) by looping and secured to bones (19) by attachment devices (20), with the <<window>> located where it is desired to encourage the ingrowth of healing tissue.

IPC 1-7

A61F 2/08

IPC 8 full level

A61F 2/08 (2006.01)

CPC (source: EP)

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Cited by

WO2011012783A1; WO2017164754A1; FR2624724A1; FR2744907A1; US5026398A; FR2684869A1; FR2596641A1; EP0170358A1; US5286837A; FR2592578A1; US5964764A; EP0358324A1; FR2605513A1; EP0279129A1; US5197983A; EP0238223A3; US4834752A; EP1493404A1; DE3630138A1; EP0236821A1; FR2948556A1; CN102625680A; AU2010277461B2; FR2745710A1; US6143029A; FR2679439A1; FR2700111A1; EP0475889A1; US5171274A; GB2194445A; GB2502959A; US10155068B2; WO2012020407A1; WO9601600A1; WO2013186525A1; US10583220B2; US11395865B2; US9730784B2; US11007049B2; WO9733535A1; WO2013017836A3; US10603408B2; JP2005021685A; JP2011194270A

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